

2018-02-20

Data Sharing Workflow for Large Datasets (>1TB) with Globus

Borda, Susan

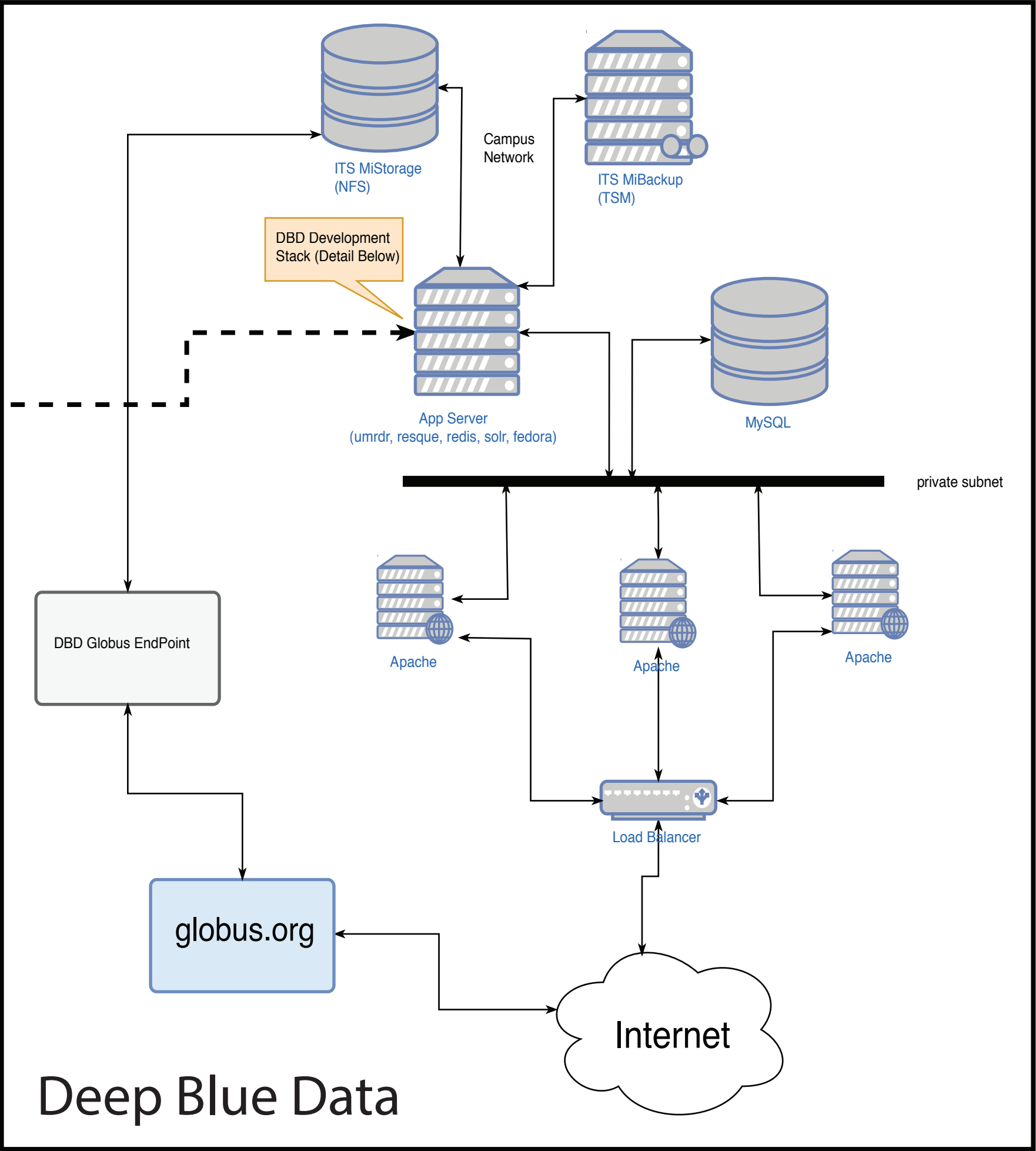
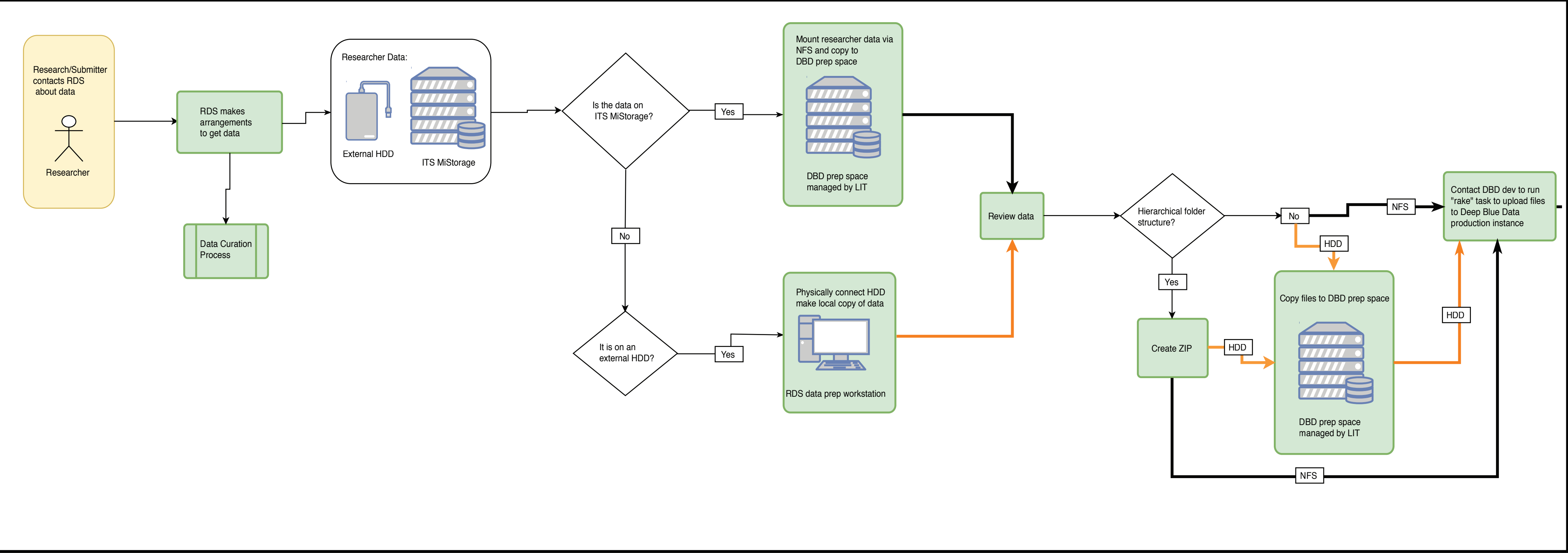
<https://hdl.handle.net/2027.42/142389>

Downloaded from Deep Blue, University of Michigan's institutional repository

Data Sharing Workflow for Large Datasets (>1TB) with Globus

Susan Borda - Data Workflows Specialist University of Michigan - sborda@umich.edu







Workflow for Large Datasets



Globus File Download Process

1

Files (65.3 GB in 24 files)

| File | Filename | Date Uploaded | File Size | Access | Actions |
|--|---|---------------|-----------|-----------------------------|------------------------------|
|  | rcm_era_atm_present.nc | 2017-08-25 | | Open Access | View Details |
|  | rcm_era_rad_present.nc | 2017-08-25 | | Open Access | View Details |
|  | rcm_era_srf_present.nc | 2017-08-25 | | Open Access | View Details |
|  | rcm_era_sts_present.nc | 2017-08-25 | | Open Access | View Details |
|  | rcm_era_clm_present.nc | 2017-08-25 | | Open Access | View Details |
|  | rcm_gfdl_atm_present.nc | 2017-08-25 | | Open Access | View Details |

Total work file size of 65.3 GB is too large to download directly, please contact deepblue@umich.edu.

[Download All for Globus](#)

2

Click submit to start downloading Regional Climate Model simulations to Globus. If you would like to be sent an email when the files are available fill in your email address:

Email:

Email again:

[Download All for Globus and Email Me When Complete](#) [Cancel X](#)

3

sborda@umich.edu 12/22/17

Globus download is now available.
Work: Regional Climate Model simulations
At: http://training.deepblue.lib.umich.edu/data/concern/generic_works/75903f27-1331-406e-9f95-a4871d02e525
By: Steiner, Allison; Bryan, Alex
Deposited by: alsteine@umich.edu
Globus link: https://www.globus.org/app/transfer?origin_id=99d8c648-a9ff-11e7-aedd-22000a92523b&origin_path=%2Fdownload%2FDeepBlueData_75903f27-1331-406e-9f95-a4871d02e525%2F

4

Transfer Files

Endpoint: DeepBlueData Path: /download/DeepBlueData_75903f27-1331

select all

up one folder

refresh list

permissions

| | |
|---------------------------|-----------|
| rcm_era_atm_present.nc | 4.80 GB |
| rcm_era_clm_present.nc | 4.31 GB |
| rcm_era_rad_present.nc | 3.64 GB |
| rcm_era_srf_present.nc | 1.03 GB |
| rcm_era_sts_present.nc | 471.06 MB |
| rcm_gfdl_atm_present.nc | 4.56 GB |
| rcm_gfdl_atm_future.nc | 4.92 GB |
| rcm_gfdl_atm_present.nc | 4.09 GB |
| rcm_gfdl_atm_future.nc | 4.42 GB |
| rcm_gfdl_atm_present.nc | 3.46 GB |
| rcm_gfdl_atm_future.nc | 978.40 MB |
| rcm_gfdl_atm_present.nc | 1.05 GB |
| rcm_gfdl_atm_future.nc | 447.24 MB |
| rcm_hadgem_atm_future.nc | 4.56 GB |
| rcm_hadgem_atm_present.nc | 4.92 GB |
| rcm_hadgem_atm_future.nc | 4.09 GB |
| rcm_hadgem_atm_present.nc | 4.42 GB |
| rcm_hadgem_atm_future.nc | 3.46 GB |
| rcm_hadgem_atm_present.nc | 3.73 GB |

Label This Transfer:

Transfer Settings: ☐ sync - only transfer new or changed files ☐ delete files on destination that do not exist on source ☐ preserve source file modification times ☒ verify file integrity after transfer ☐ encrypt transfer

4a

Activity

DeepBlueData to sborda lib macbook

transfer started 5 minutes ago

Overview

Event Log

Task ID: f85e1da8-fb08-11e7-831b-0a208f818180

Owner: susan borda (sborda@umich.edu)

Source: DeepBlueData owner: skomer@umich.edu

Destination: sborda lib macbook owner: sborda@umich.edu

Condition: ACTIVE

Requested: 2018-01-16 05:02 pm

Deadline: 2018-01-17 05:02 pm

Transfer Settings: ☒ verify file integrity after transfer ☒ transfer is not encrypted

Files 11

Directories 0

Bytes Transferred 12.47 GB

Effective Speed 37.79 MB/s

Pending 8

Succeeded 3

Cancelled 0

Expired 0

Failed 0

Retrying 0

Skipped 0

5

Globus

AirDrop

iCloud Drive

Recents

Google Drive

Downloads

Applications

Desktop

Applications

Deleted Users

Box Sync

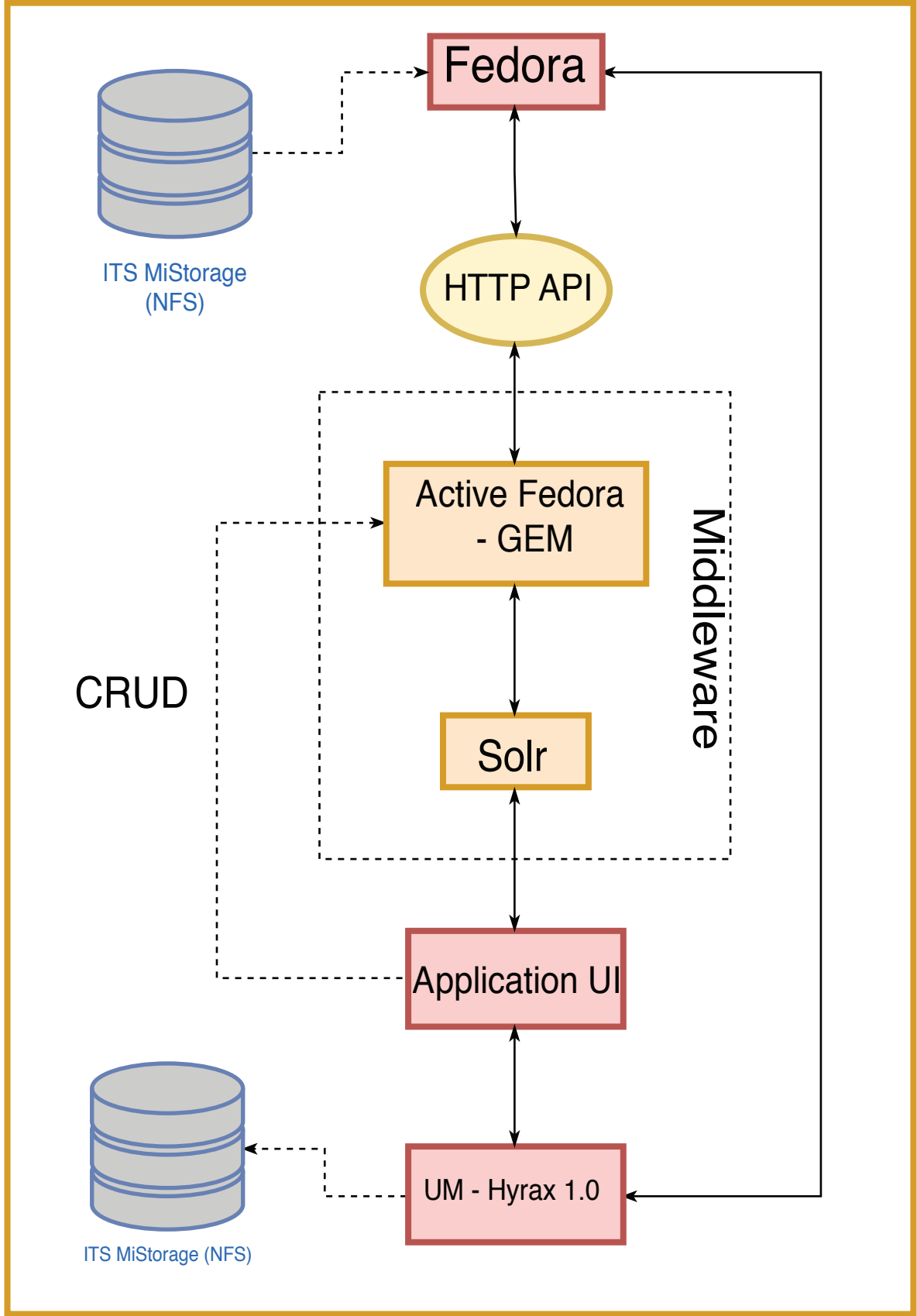
Devices

m-c02rt2p0fv...

Remote Disc

| Name | Date Modified | Size | Kind |
|-------------------------|----------------------|----------|----------|
| rcm_era_atm_present.nc | Yesterday at 5:06 PM | 4.81 GB | Document |
| rcm_era_clm_present.nc | Yesterday at 5:06 PM | 4.31 GB | Document |
| rcm_era_rad_present.nc | Yesterday at 5:09 PM | 3.65 GB | Document |
| rcm_era_srf_present.nc | Yesterday at 5:07 PM | 1.03 GB | Document |
| rcm_era_sts_present.nc | Yesterday at 5:07 PM | 471.1 MB | Document |
| rcm_gfdl_atm_future.nc | Yesterday at 5:10 PM | 4.56 GB | Document |
| rcm_gfdl_atm_present.nc | Yesterday at 5:13 PM | 4.93 GB | Document |
| rcm_gfdl_atm_future.nc | Yesterday at 5:13 PM | 4.1 GB | Document |
| rcm_gfdl_atm_present.nc | Yesterday at 5:16 PM | 4.42 GB | Document |
| rcm_gfdl_atm_future.nc | Yesterday at 5:16 PM | 3.46 GB | Document |
| rcm_gfdl_atm_present.nc | Yesterday at 5:18 PM | 3.74 GB | Document |

DBD Dev Stack



Globus Code on Github:
<https://github.com/mlibrary/umrdr/tree/master/app/jobs>